

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/543,033
Source: PL 110
Date Processed by STIC: 7/28/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

BEST AVAILABLE COPY

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	SERIAL NUMBER: <u>10/543,033</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <u>Wrapped Nucleics</u> <u>Wrapped Aminos</u>	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <u>Invalid Line Length</u>	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <u>Misaligned Amino</u> <u>Numbering</u>	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <u>Non-ASCII</u>	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <u>Variable Length</u>	Sequence(s) <u> </u> contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <u>PatentIn 2.0</u> <u>"bug"</u>	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) <u> </u> . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <u>Skipped Sequences</u> <u>(OLD RULES)</u>	Sequence(s) <u> </u> missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <u>Skipped Sequences</u> <u>(NEW RULES)</u>	Sequence(s) <u> </u> missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <u>Use of n's or Xaa's</u> <u>(NEW RULES)</u>	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <u>Invalid <213></u> <u>Response</u>	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <u>Use of <220></u>	Sequence(s) <u> </u> missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <u>PatentIn 2.0</u> <u>"bug"</u>	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <u>Misuse of n/Xaa</u>	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid	

AMC - Biotechnology Systems Branch - 09/09/2003



PCT

RAW SEQUENCE LISTING

DATE: 07/28/2005

PATENT APPLICATION: US/10/543,033

TIME: 17:04:05

Input Set : D:\seq listing 10589-012-999 (as filed).txt

Output Set: N:\CRF4\07282005\J543033.raw

3 <110> APPLICANT: Cao, Liangxian
 4 Trifillis, Panayiota
 6 <120> TITLE OF INVENTION: METHODS FOR IDENTIFYING COMPOUNDS THAT MODULATE UNTRANSLATED
 7 REGION-DEPENDENT GENE EXPRESSION AND METHODS OF USING SAME
 9 <130> FILE REFERENCE: 10589-012-999
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/543,033
 C--> 12 <141> CURRENT FILING DATE: 2005-07-21
 14 <150> PRIOR APPLICATION NUMBER: PCT/US2004/001643
 15 <151> PRIOR FILING DATE: 2004-01-21
 17 <150> PRIOR APPLICATION NUMBER: 60/441,637
 18 <151> PRIOR FILING DATE: 2003-01-21
 20 <160> NUMBER OF SEQ ID NOS: 94
 22 <170> SOFTWARE: PatentIn version 3.2
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 14
 26 <212> TYPE: DNA
 27 <213> ORGANISM: Artificial Sequence
 29 <220> FEATURE:
 30 <223> OTHER INFORMATION: Description of Artificial Sequence: one motif of G-quartet
 element
 33 <220> FEATURE:
 34 <221> NAME/KEY: misc_feature
 35 <222> LOCATION: 3, 7, 8, 11
 36 <223> OTHER INFORMATION: n = a, t, c, or g
 38 <220> FEATURE:
 39 <221> NAME/KEY: misc_feature
 40 <222> LOCATION: (7)..(8)
 41 <223> OTHER INFORMATION: This represents one form of the sequence as described, other
 forms
 42 described may have up to five nucleotides in this variable region
 44 <400> SEQUENCE: 1
 W--> 45 ggntgggngg ntgg 14
 48 <210> SEQ ID NO: 2
 49 <211> LENGTH: 14
 50 <212> TYPE: DNA
 51 <213> ORGANISM: Artificial Sequence
 53 <220> FEATURE:
 54 <223> OTHER INFORMATION: Description of Artificial Sequence: one motif of G-quartet
 element
 57 <220> FEATURE:
 58 <221> NAME/KEY: misc_feature
 59 <222> LOCATION: 3, 4, 7, 8, 11, 12
 60 <223> OTHER INFORMATION: n = a, t, g or c
 62 <220> FEATURE:

pp 1,3,5-8

Does Not Comply
Corrected Diskette Needed
give source of genetic material

(see item 11 on Euro
summary sheet)

63 <221> NAME/KEY: misc_feature
64 <222> LOCATION: (2)..(12)

RAW SEQUENCE LISTING

DATE: 07/28/2005

PATENT APPLICATION: US/10/543,033

TIME: 17:04:05

Input Set : D:\seq listing 10589-012-999 (as filed).txt

Output Set: N:\CRF4\07282005\J543033.raw

65 <223> OTHER INFORMATION: This represents one form of the sequence as described, other forms

66 described have longer variable regions, typical is 2 - 10

67 nucleotides

69 <400> SEQUENCE: 2

W--> 70 ggnnggnggg nngg

14

73 <210> SEQ ID NO: 3

74 <211> LENGTH: 14

75 <212> TYPE: DNA

76 <213> ORGANISM: Artificial Sequence

78 <220> FEATURE:

79 <223> OTHER INFORMATION: Description of Artificial Sequence (general formula of G-quartet element)

82 <220> FEATURE:

83 <221> NAME/KEY: misc_feature

84 <222> LOCATION: 3, 4, 7, 8, 11, 12

85 <223> OTHER INFORMATION: n = a, t, g, or c

87 <220> FEATURE:

88 <221> NAME/KEY: misc_feature

89 <222> LOCATION: (2)..(12)

90 <223> OTHER INFORMATION: This represents one form of the sequence as described, other forms

91 described have longer variable regions, typical is 2 - 10

92 nucleotides

94 <400> SEQUENCE: 3

W--> 95 ggnnggnggg nngg

14

98 <210> SEQ ID NO: 4

99 <211> LENGTH: 19

100 <212> TYPE: RNA

101 <213> ORGANISM: Artificial Sequence

103 <220> FEATURE:

104 <223> OTHER INFORMATION: Description of Artificial Sequence: one subunit of 15-LOX-DICE

106 <400> SEQUENCE: 4

107 ccccrccuc uuccccaag

19

110 <210> SEQ ID NO: 5

111 <211> LENGTH: 152

112 <212> TYPE: DNA

113 <213> ORGANISM: Homo sapiens

115 <400> SEQUENCE: 5

116 gcagaggacc agctaagagg gagagaagca actacagacc cccctgaaa acaaccctca

60

118 gacgccacat cccctgacaa gctgccagge aggttctctt cctctcacat actgaccac

120

120 ggtccaccc tctctccct ggaaaggaca cc

152

123 <210> SEQ ID NO: 6

124 <211> LENGTH: 792

125 <212> TYPE: DNA

126 <213> ORGANISM: Homo sapiens

128 <400> SEQUENCE: 6

129 tgaggaggac gaacatccaa ccttcccaaa cgctccct gcccatacc ctttattacc

60

131 ccctccttca gacaccctca acctcttctg gctcaaaaag agaattgggg gcttaggggc

120

133 ggaacccaag cttagaactt taagcaacaa gaccaccact tcgaaacctg ggattcagga

180

135 atgtgtggcc tgcacagtga attgctggca accactaaga attcaaaactg gggcctccag

240

137 aactcactgg ggcctacagc tttgatccct gacatctgga atctggagac caggagcct

300

RAW SEQUENCE LISTING

DATE: 07/28/2005

PATENT APPLICATION: US/10/543,033

TIME: 17:04:05

Input Set : D:\seq listing 10589-012-999 (as filed).txt

Output Set: N:\CRF4\07282005\J543033.raw

```

139 ttggttctgg ccagaatgct gcaggacttg agaagacctc acctagaaat tgacacaagt 360
141 ggaccttagg ccttctcttc tccagatggt tccagacttc cttgagacac ggagcccagc 420
143 cctcccatg gagccagctc cctctattta tgtttgcact tgtgattatt tattatttat 480
145 ttattattta ttattttaca gatgaatgta ttatttggg agaccgggg atcctggggg 540
147 acccaatgta ggagctgcct tggtcagac atgtttccg tgaaaacgga gctgaacaat 600
149 aggtgttcc catgtagccc cctggcctct gtgccttctt ttgattatgt tttttaaatt 660
151 atttatctga ttaagtgtc taaacaatgc tgatttggg accaactgtc actcattgct 720
153 gagectctgc tccccagggg agttgtgtct gtaatcgccc tactattcag tggcgagaaa 780
155 taaagtttgc tt 792
158 <210> SEQ ID NO: 7
159 <211> LENGTH: 21
160 <212> TYPE: RNA
161 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Description of Artificial Sequence: Group I AU-Rich element
(ARE)
165 cluster of 3'untranslated region
167 <400> SEQUENCE: 7
168 auuuuuuuuu uuauuuuuuu a 21
171 <210> SEQ ID NO: 8
172 <211> LENGTH: 40
173 <212> TYPE: DNA
174 <213> ORGANISM: Homo sapiens
176 <400> SEQUENCE: 8
177 kctggaggat gtggctgcag agcctgctgc tcttgggcac 40
180 <210> SEQ ID NO: 9
181 <211> LENGTH: 289
182 <212> TYPE: DNA
183 <213> ORGANISM: Homo sapiens
185 <400> SEQUENCE: 9
186 gccggggagc tgctctctca tgaacaaga gctagaaact caggatgggc atcttggagg 60
188 gaccaagggg tgggccacag ccatgggtggg agtggcctgg acctgccctg ggccacactg 120
190 accctgatac aggcattggc gaagaatggg aatattttat actgacagaa atcagtaata 180
192 tttatatatt tatattttta aaatatttat ttatttattt atttaagttc atattccata 240
194 tttattcaag atgttttacc gtaataatta ttattaaaaa tatgcttct 289
197 <210> SEQ ID NO: 10
198 <211> LENGTH: 21
199 <212> TYPE: RNA
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Description of Artificial Sequence: Group I AU-Rich element
(ARE)
204 cluster of 3'untranslated region
206 <400> SEQUENCE: 10
207 auuuuuuuuu uuauuuuuuu a 21
210 <210> SEQ ID NO: 11
211 <211> LENGTH: 47
212 <212> TYPE: DNA
213 <213> ORGANISM: Homo sapiens
215 <400> SEQUENCE: 11
216 atcactctct ttaatcacta ctcacattaa cctcaactcc tgccaca 47

```

RAW SEQUENCE LISTING

DATE: 07/28/2005

PATENT APPLICATION: US/10/543,033

TIME: 17:04:05

Input Set : D:\seq listing 10589-012-999 (as filed).txt

Output Set: N:\CRF4\07282005\J543033.raw

219 <210> SEQ ID NO: 12
 220 <211> LENGTH: 307
 221 <212> TYPE: DNA
 222 <213> ORGANISM: Homo sapiens
 224 <400> SEQUENCE: 12
 225 taattaagtg cttccactt aaaacatata aggccttcta tttattttatt taaatattta 60
 227 aattttatat ttattgttga atgtatgggt gctacctatt gtaactatta ttcttaactt 120
 229 taaaactata aatatggatc ttttatgatt ctttttgtaa gccctagggg ctctaaaatg 180
 231 gtttacctta tttatcccaa aaatatttat tattatgttg aatgttaaat atagtatcta 240
 233 tgtagattgg ttagtaaaac tattaataa atttgataaa tataaaaaaa aaaacaaaaa 300
 235 aaaaaaa 307
 238 <210> SEQ ID NO: 13
 239 <211> LENGTH: 15
 240 <212> TYPE: RNA
 241 <213> ORGANISM: Artificial Sequence
 243 <220> FEATURE:
 244 <223> OTHER INFORMATION: Description of Artificial Sequence: Group III AU-Rich
 element (ARE)
 245 cluster of 3'untranslated region
 248 <220> FEATURE:
 249 <221> NAME/KEY: misc_feature
 250 <222> LOCATION: (1)..(15)
 251 <223> OTHER INFORMATION: n = a, t g or c
 253 <400> SEQUENCE: 13
 W--> 254 nauuuuuuuu uuuan 15
 257 <210> SEQ ID NO: 14
 258 <211> LENGTH: 62
 259 <212> TYPE: DNA
 260 <213> ORGANISM: Homo sapiens
 262 <400> SEQUENCE: 14
 263 ttctgccctc gagcccaccg ggaacgaaag agaagctcta tctcgccctc aggagcccag 60
 265 ct 62
 268 <210> SEQ ID NO: 15
 269 <211> LENGTH: 427
 270 <212> TYPE: DNA
 271 <213> ORGANISM: Homo sapiens
 273 <400> SEQUENCE: 15
 274 tagcatgggc acctcagatt gttgttggtta atgggcattc cttcttcttg tcagaaacct 60
 276 gtccactggg cacagaactt atgttggtct ctatggagaa ctaaaagtat gagcgtagg 120
 278 acactatttt aattattttt aatttattaa tatttaataa tgtgaagctg agttaattta 180
 280 tgtaagtcac atttatattt ttaagaagta ccacttgaaa cattttatgt attagttttg 240
 282 aaataataat ggaaagtggc tatgcagttt gaatatacct tgtttcagag ccagatcatt 300
 284 tcttggaag tgtaggctta cctcaaataa atggctaact tatacatatt tttaaagaaa 360
 286 tatttatatt gtatttatat aatgtataaa tggtttttat accaataaat ggcattttta 420
 288 aaaattc 427
 291 <210> SEQ ID NO: 16
 292 <211> LENGTH: 15
 293 <212> TYPE: RNA
 294 <213> ORGANISM: Artificial Sequence
 296 <220> FEATURE:

It's not allowed in an RNA sequence
Do you mean "u"?
OK see p. 6

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/543,033

DATE: 07/28/2005
TIME: 17:04:05

Input Set : D:\seq listing 10589-012-999 (as filed).txt
Output Set : N:\CRF4\07282005\J543033.raw

297 <223> OTHER INFORMATION: Description of Artificial Sequence: Group III AU-Rich element (ARE)

298 cluster of 3'untranslated region
301 <220> FEATURE:
302 <221> NAME/KEY: misc_feature
303 <222> LOCATION: (1)..(15)
304 <223> OTHER INFORMATION: n = a, (t), g or c *not allowed in an RNA sequence*
306 <400> SEQUENCE: 16
W--> 307 nauuuuuuuu uuuan *same env* 15
310 <210> SEQ ID NO: 17
311 <211> LENGTH: 701
312 <212> TYPE: DNA
313 <213> ORGANISM: Homo sapiens
315 <400> SEQUENCE: 17
316 aagagctcca gagagaagtc gaggaagaga gagacggggc cagagagagc gcgcggggcgt 60
318 gcgagcagcg aaagcgacag gggcaaagtg agtgacctgc ttttgggggt gaccgcccga 120
320 gcgcggcggtg agccctcccc cttgggatcc cgcagctgac cagtgcgctg gacggacaga 180
322 cagacagaca ccgccccag cccagttac cactcctcc ccggccggcg gcggacagtg 240
324 gacgcggcgg cgagccgcgg gcaggggccc gagcccggc ccggaggcgg ggtggagggg 300
326 gtccggagctc gcggcgctgc actgaaactt ttctgccaac ttctgggctg ttctcgttcc 360
328 ggaggagccg tggtcgcgcg gggggaagcc gagccgagcg gagccgcgag aagtgttagc 420
330 tcggggccggg aggagccgca gccggaggag ggggaggagg aagaagagaa ggaagaggag 480
332 agggggccgc agtggcgact cggcgctcgg aagccggggt catggacggg tgaggcggcg 540
334 gtgtgcgcag acagtgtcc agcgcgcgcg ctccccagcc ctggcccgcc ctccggccgg 600
336 gaggaagagt agctcgcgcg ggcgcgcagg agagcgggcc gccccacagc ccgagccgga 660
338 gagggacgcg agccgcgcgc cccggtcggg cctccgaaac c 701
341 <210> SEQ ID NO: 18
342 <211> LENGTH: 1892
343 <212> TYPE: DNA
344 <213> ORGANISM: Homo sapiens
346 <400> SEQUENCE: 18
347 tgagccgggc aggaggaagg agcctccctc aggggttcgg gaaccagatc tctctccagg 60
349 aaagactgat acagaacgat cgatacagaa accacgctgc cgccaccaca ccatcaccat 120
351 cgacagaaca gtcttaatac cagaaacctg aaatgaagga agaggagact ctgcgcagag 180
353 cactttgggt ccggaggggc agactccggc ggaagcatc ccgggcgggt gaccagcac 240
355 ggtccctctt ggaattggat tcgccatttt attttcttg ctgctaaatc accgagcccg 300
357 gaagattaga gagttttatt tctgggattc ctgtagacac acccaccac atacatacat 360
359 ttatatatat atatattata tatatatata aataaatatc tctattttat atatataaaa 420
361 tatatatatt ctttttttaa attaacagtg ctaatgttat tgggtgtctc actggatgta 480
363 tttgactgtg gtggacttga gttgggaggg gaatgttccc actcagatcc tgacagggaa 540
365 gaggaggaga tgagagactc tggcatgata tttttttgt cccacttggg ggggccaggg 600
367 tctctcccc tgcccaagaa tgtgcaaggc cagggcattg gggcaaatat gaccagttt 660
369 tgggaacacc gacaaaccca gccctggcgc tgagcctctc taccaggt cagacggaca 720
371 gaaagacaaa tcacaggttc cgggatgagg acaccggctc tgaccaggag tttggggagc 780
373 ttcaggacat tgctgtgctt tggggattcc ctccacatgc tgcacgcgca tctcgcccc 840
375 aggggcactg cctggaagat tcaggagcct gggcgccctt cgcttactct cacctgcttc 900
377 tgagttgccc aggaggccac tggcagatgt cccggcgaag agaagagaca cattgttgga 960
379 agaagcagcc catgacagcg ccccttctct ggactgcgcc tcactctctt cctgtctccc 1020
381 ttctgggggt gcagcctaaa aggacctatg tctcacacc attgaaacca ctagtctgt 1080
383 cccccagga aacttggttg tgtgtgtgtg agtggttgac cttcctccat cccctggtcc 1140

see p. 7

10/543,09

7

<210> 40
 <211> 751
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (535)-(739) (734) "+" is at location 739
 <223> n = a, t, g or c

<400> 40
 taagcaggcc tccaacgccc ctgtggccaa ctgcaaaaaa agcctccaag ggtttcgact 60
 ggtccagctc tgacatccct tcctggaaac agcatgaata aaacactcat cccatgggtc 120
 caaattaata tgattctgct ccccccttct ccttttagac atggttgtgg gtctggaggg 180
 agacgtgggt ccaaggctct catcccatcc tccctctgcc aggcactatg tgtctggggc 240
 ttcgatcctt ggggtgcaggc agggctggga cacgcggctt ccctcccagt ccctgccttg 300
 gcaccgtcac agatgccaaag caggcagcac ttagggatct ccagctggg ttagggcagg 360
 gcctggaaat gtgcattttg cagaaacttt tgagggtcgt tgcaagactg tgtagcaggc 420
 ctaccaggtc cttttcatct tgagagggac atggcccctt gttttctgca gcttcacgc 480
 ctctgcactc cctgcccctg gcaagtgtc ccatgcgcc cggtgccac catgnagtc 540
 cccgaacctg actccccca catccaaggg cagccctgga accagtgggc tagttccttg 600
 aaggaagccc cactcattcc tattaatccc tcagaattcc cggggggagc cttccctcct 660
 gaaccttggg aaaaaatggg gaacgagaaa aacccccgct tggagctgtg cgtttcagc 720
 ccctacttga gagttttt tttgggggcc g 751

see p. 8

10/549033 8

<210> 88

<211> 22

<212> DNA

<213> Artificial

Sequence
equence

<220>

<223> Description of Artificial Sequence: PCR primer (Sense/BglII)

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/543,033

DATE: 07/28/2005
TIME: 17:04:06

Input Set : D:\seq listing 10589-012-999 (as filed).txt
Output Set: N:\CRF4\07282005\J543033.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. ~~3,7,8,11~~

Seq#:2; N Pos. ~~3,4,7,8,11,12~~

Seq#:3; N Pos. ~~3,4,7,8,11,12~~

Seq#:13; N Pos. ~~1,15~~

Seq#:16; N Pos. ~~1,15~~

Seq#:20; N Pos. ~~1,15~~

Seq#:33; N Pos. 409,444

Seq#:40; N Pos. 535,734

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/543,033

DATE: 07/28/2005

TIME: 17:04:06

Input Set : D:\seq listing 10589-012-999 (as filed).txt

Output Set: N:\CRF4\07282005\J543033.raw

L:11 M:270 C: Current Application Number differs, Replaced Application Number
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:45 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:70 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:445 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:1078 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:360
M:341 Repeated in SeqNo=33
L:1289 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:480
M:341 Repeated in SeqNo=40
L:2695 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:88

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